ELSEVIER

Protein Structure & Molecular Enzymology

Vol. 1200, 1994

BBA Biochimica et Biophysica Acta

Author Index

Adachil, T., see Aoki, N. (1200) 227
Aoki, N., Ujita, M., Kuroda, H., Urabe, M., Noda, A., Adachil, T., Nakamura, R. and Matsuda, T.
Immnunologically cross-reactive 57 kDa and 53 kDa glycoprotein antigens of bovine milk fat globule membrane: isoforms with different *N*-linked sugar chains and differential glycosylation at early stages of lactation (1200) 227
Aoyagi, T., see Kobayashi, Y. (1200) 11
Argüelles, J.-C., see San Miguel, P.F. (1200) 155
Awazu, S., see Mizuma, T. (1200) 117

Baez, S., see Linderson, Y. (1200) 197
Bailey, C.A., see Cramer, J.A. (1200) 315
Bailey, L.C., see Cramer, J.A. (1200) 315
Bammler, T., see Henderson, C.J. (1200) 182
Bason, L.M., see Lever, M. (1200) 259
Batz, O., Maaß, U., Henrichs, G., Scheibe, R. and Neuhaus, H.-E.
Glucose- and ADPGlc-dependent starch synthesis in isolated cauliflower-bud amyloplasts. Analysis of the interaction of various potential precursors (1200) 148
Beaudoin, A.R., see Picher, M. (1200) 167
Béliveau, R., see Picher, M. (1200) 167
Bhagavan, N.V., see Diebold, B.A. (1200) 100
Birnbaum, K.B., Stolarski, R. and Shugar, D.
Structure and conformation of the cyclic phosphate of Ganciclovir, a broad-spectrum antiviral agent (1200) 55
Bruton, J.D., Westerblad, H. and Lännergren, J.
Lipase inhibitors abolish contractions and cause depolarization in frog skeletal muscle fibres (1200) 224

Calvete, J.J., see Dostàlovà, Z. (1200) 48
Canfield, A.E., Sutton, A.B., Hiscock, D.R.R., Gallagher, J.T. and Schor, A.M.
alpha- and beta-xylosides modulate the synthesis of fibronectin and thrombospondin-1 by endothelial cells (1200) 249
Carne, A., see Hubbard, M.J. (1200) 191
Cederbaum, A.I., see Puntarulo, S. (1200) 41
Chambers, S.T., see Lever, M. (1200) 259
Chamuleau, R.A.F.M., see Wagenaar, G.T.M. (1200) 265
Chavante, S.F., see Oliveira, F.W. (1200) 241
Choojun, S., see Steinböck, F. (1200) 215
Clarkson, R.B., see Smirnov, A.I. (1200) 205
Cramer, J.A., Bailey, L.C., Bailey, C.A. and Miller, R.T.
Kinetic and mechanistic studies with bovine testicular hyaluronidase (1200) 315

Deeb, R.S., Muller-Eberhard, U. and Peyton, D.H.
Proton NMR study of the heme complex of hemopexin (1200) 161
De Martino, L., see Palumbo, A. (1200) 271
De Sánchez, V.C., see Hernández-Muñoz, R. (1200) 93
Desmond, H.P., see Kamiguti, A.S. (1200) 307
Deutz, N.E.P., see Wagenaar, G.T.M. (1200) 265
Díaz-Muñoz, M., see Hernández-Muñoz, R. (1200) 93
Diebold, B.A., Bhagavan, N.V. and Guillory, R.J.
Influences of lovastatin administration on the respiratory burst of leukocytes and the phosphorylation potential of mitochondria in guinea pigs (1200) 100
Dietrich, C.P., see Oliveira, F.W. (1200) 241
Dostàlovà, Z., Calvete, J.J., Sanz, L. and Töpfer-Petersen, E.
Quantitation of boar spermadhesins in accessory sex gland fluids and on the surface of epididymal, ejaculated and capacitated spermatozoa (1200) 48

Elliott, G.F. and Worthington, C.R.
How muscle may contract (1200) 109

Fassy, F. and Hervagault, J.-F.
An approach to the in vitro study of the UTP/UDPglucose/UDP moiety-conserved cycle (1200) 297
Furukawa, T., see Okuda, M. (1200) 123

Gallagher, J.T., see Canfield, A.E. (1200) 249
Geerts, W.J.C., see Wagenaar, G.T.M. (1200) 265
Ghosal, D., Shappell, N.W. and Keenan, T.W.
Endoplasmic reticulum lumenal proteins of rat mammary gland. Potential involvement in lipid droplet assembly during lactation (1200) 175
Goda, T., Yasutake, H. and Takase, S.
Dietary fat regulates cellular retinol-binding protein II gene expression in rat jejunum (1200) 34
Goerke, J., see Schoel, W.M. (1200) 281
Guillory, R.J., see Diebold, B.A. (1200) 100

Hase, S., see Mega, T. (1200) 331
Hay, C.R.M., see Kamiguti, A.S. (1200) 307
Hayman, C.M., see Lever, M. (1200) 259
Hearing, V.J., see Palumbo, A. (1200) 271
Held, I., see Steinböck, F. (1200) 215
Henderson, C.J., Bammler, T. and Wolf, C.R.
Deduced amino acid sequence of a murine cytochrome *P*-450 Cyp4a protein: developmental and hormonal regulation in liver and kidney (1200) 182
Henrichs, G., see Batz, O. (1200) 148
Hernández-Muñoz, R., Díaz-Muñoz, M. and De Sánchez, V.C.
Possible role of cell redox state on collagen metabolism in carbon tetrachloride-induced cirrhosis as evidenced by adenosine administration to rats (1200) 93
Hervagault, J.-F., see Fassy, F. (1200) 297
Hiscock, D.R.R., see Canfield, A.E. (1200) 249
Homerova, D. and Kormanec, J.
Cloning of the putative glycogen branching enzyme gene, *glgB*, from *Streptomyces aureofaciens* (1200) 334
Hosono, K., see Mochizuki, K. (1200) 27
Hubbard, M.J. and Carne, A.
Differential feeding-related regulation of ubiquitin and calbindin$_{9kDa}$ in rat duodenum (1200) 191
Hutchison, J.D., Undrill, V.J. and Porteous, J.W.
Glucose translocation and metabolism in the rat jejunum perfused in once-through mode in vitro (1200) 129

Ikeda, Y., Sugiyama, T., Takahashi, M. and Taniguchi, N.
Selective suppression of IgG2a subclass in LEC rats during development (1200) 277

Iwatsuki, M., Tsuchiya, J., Komuro, E., Yamamoto, Y. and Niki, E.
Effects of solvents and media on the antioxidant activity of α-tocopherol (1200) 19

Kamiguti, A.S., Desmond, H.P., Theakston, R.D.G., Hay, C.R.M. and Zuzel, M.
Ineffectiveness of the inhibition of the main haemorrhagic metalloproteinase from *Bothrops jararaca* venom by its only plasma inhibitor, α2-macroglobulin (1200) 307
Kastner, M. and Neubert, D.
Characterization of cytochromes *P*-450 purified from untreated and ^{14}C-2,3,7,8-tetrachlorodibenzo-*p*-dioxin – treated marmoset monkeys: Identification of the major form as a possible orthologue of *P*-450 1A2 (1200) 7
Keenan, T.W., see Ghosal, D. (1200) 175
Kobayashi, H., see Mochizuki, K. (1200) 27
Kobayashi, Y., Yoshida, T., Kotani, E., Aoyagi, T., Kuroiwa, Y. and Tobinaga, S.
Involvement of testosterone in the induction of hepatic microsomal cytochrome *P*-450 2B1/2 (*P*-450 2B1/2) by 1-benzylimidazole in male and female rats: sex-differentiated induction of *P*-450 2B1/2 species (1200) 11
Kohno, H., see Okuda, M. (1200) 123
Komuro, E., see Iwatsuki, M. (1200) 19
Kormanec, J., see Homerova, D. (1200) 334
Kotani, E., see Kobayashi, Y. (1200) 11
Kubicek, C.P., see Steinböck, F. (1200) 215
Kuroda, H., see Aoki, N. (1200) 227
Kuroiwa, Y., see Kobayashi, Y. (1200) 11

Lamers, W.H., see Wagenaar, G.T.M. (1200) 265
Lännergren, J., see Bruton, J.D. (1200) 224
Lee, R.W.-K., see Thompson, S.N. (1200) 322
Lee, Y.-H., see Tsai, I.-H. (1200) 337
Lever, M., Sizeland, P.C.B., Bason, L.M., Hayman, C.M. and Chambers, S.T.
Glycine betaine and proline betaine in human blood and urine (1200) 259
Linderson, Y., Baez, S. and Segura-Aguilar, J.
The protective effect of superoxide dismutase and catalase against formation of reactive oxygen species during reduction of cyclized norepinephrine ortho-quinone by DT-diaphorase (1200) 197

Maaß, U., see Batz, O. (1200) 148
Matsuda, T., see Aoki, N. (1200) 227
Mega, T. and Hase, S.
Conversion of egg-white lysozyme to a lectin-like protein with agglutinating activity analogous to wheat germ agglutinin (1200) 331
Messer, M., see Urashima, T. (1200) 64
Miller, R.T., see Cramer, J.A. (1200) 315
Mizuma, T., Ohta, K. and Awazu, S.
The β-anomeric and glucose preferences of glucose transport carrier for intestinal active absorption of monosaccharide conjugates (1200) 117
Mochizuki, K., Hosono, K. and Kobayashi, H.
Purification and some properties of a novel racemase, which racemizes 2-oxothiazolidine-4-carboxylic acid and 5-oxoproline, from *Flectobacillus* sp. strain B-1 (1200) 27
Montagnoli, G., see Podestà, A. (1200) 291
Muller-Eberhard, U., see Deeb, R.S. (1200) 161
Murad, S., see Shigematsu, T. (1200) 79
Muruganandam, A. and Mutus, B.
Isolation of nitric oxide synthase from human platelets (1200) 1
Mutus, B., see Muruganandam, A. (1200) 1

Nader, H.B., see Oliveira, F.W. (1200) 241
Nakamura, R., see Aoki, N. (1200) 227
Napolitano, A., see Palumbo, A. (1200) 271
Neubert, D., see Kastner, M. (1200) 7
Neuhaus, H.-E., see Batz, O. (1200) 148
Nieto, A., see Regalado, F. (1200) 235
Niki, E., see Iwatsuki, M. (1200) 19
Niki, E., see Yoshida, Y. (1200) 85
Nishikawa, T., see Shigematsu, T. (1200) 79
Nishioka, I., see Shigematsu, T. (1200) 79
Noda, A., see Aoki, N. (1200) 227
Norby, S.-W., see Smirnov, A.I. (1200) 205

Ohta, K., see Mizuma, T. (1200) 117
Okuda, M., Kohno, H., Furukawa, T., Tokunaga, R. and Taketani, S.
Overexpression in *Escherichia coli*, and one-step purification of the human recombinant ferrochelatase (1200) 123
Oliveira, F.W., Chavante, S.F., Santos, E.A., Dietrich, C.P. and Nader, H.B.
Appearance and fate of a β-galactanase, α,β-galactosidases, heparan sulfate and chondroitin sulfate degrading enzymes during embryonic development of the mollusc *Pomacea sp* (1200) 241

Palumbo, A., Napolitano, A., De Martino, L., Vieira, W. and Hearing, V.J.
Specific incorporation of 2-thiouracil into biological melanins (1200) 271
Panek, A.D., see Ribeiro, M.J.S. (1200) 139
Pérez Martínez, M., see Regalado, F. (1200) 235
Peyton, D.H., see Deeb, R.S. (1200) 161
Picher, M., Béliveau, R., Potier, M., Savaria, D., Rousseau, É. and Beaudoin, A.R.
Demonstration of an ectoATP-diphosphohydrolase (E.C.3.6.1.5.) in non-vascular smooth muscles of the bovine trachea (1200) 167
Pinnell, S.R., see Shigematsu, T. (1200) 79
Podestà, A. and Montagnoli, G.
Specificity in protein-ligand interactions: a model from estrone-antiserum binding (1200) 291
Porteous, J.W., see Hutchison, J.D. (1200) 129
Potier, M., see Picher, M. (1200) 167
Puntarulo, S. and Cederbaum, A.I.
Ferritin-dependent inactivation of microsomal glucose-6-phosphatase (1200) 41

Regalado, F., Pérez Martínez, M., Soledad López de Haro, M. and Nieto, A.
Isolation and characterization of two isoforms of a retinoic acid-binding protein from rabbit epididymal secretions (1200) 235
Ribeiro, M.J.S., Silva, J.T. and Panek, A.D.
Trehalose metabolism in *Saccharomyces cerevisiae* during heat-shock (1200) 139
Roehr, M., see Steinböck, F. (1200) 215
Rousseau, É., see Picher, M. (1200) 167

Saito, T., see Urashima, T. (1200) 64
San Miguel, P.F. and Argüelles, J.-C.
Differential changes in the activity of cytosolic and vacuolar trehalases along the growth cycle of *Saccharomyces cerevisiae* (1200) 155
Santos, E.A., see Oliveira, F.W. (1200) 241
Sanz, L., see Dostàlovà, Z. (1200) 48
Savaria, D., see Picher, M. (1200) 167
Scheibe, R., see Batz, O. (1200) 148
Schoel, W.M., Schürch, S. and Goerke, J.
The captive bubble method for the evaluation of pulmonary surfactant: surface tension, area, and volume calculations (1200) 281
Schor, A.M., see Canfield, A.E. (1200) 249
Schürch, S., see Schoel, W.M. (1200) 281
Segura-Aguilar, J., see Linderson, Y. (1200) 197
Shappell, N.W., see Ghosal, D. (1200) 175

Shigematsu, T., Tajima, S., Nishikawa, T., Murad, S., Pinnell, S.R. and Nishioka, I.
Inhibition of collagen hydroxylation by lithospermic acid magnesium salt, a novel compound isolated from *Salviae miltiorrhizae* Radix (1200) 79
Shugar, D., see Birnbaum, K.B. (1200) 55
Silva, J.T., see Ribeiro, M.J.S. (1200) 139
Sizeland, P.C.B., see Lever, M. (1200) 259
Smirnov, A.I., Norby, S.-W., Weyhenmeyer, J.A. and Clarkson, R.B.
The effect of temperature on the respiration of cultured neural cells as studied by a novel electron paramagnetic resonance technique (1200) 205
Soledad López de Haro, M., see Regalado, F. (1200) 235
Steinböck, F., Choojun, S., Held, I., Roehr, M. and Kubicek, C.P.
Characterization and regulatory properties of a single hexokinase from the citric acid accumulating fungus *Aspergillus niger* (1200) 215
Stolarski, R., see Birnbaum, K.B. (1200) 55
Sugiyama, T., see Ikeda, Y. (1200) 277
Sutton, A.B., see Canfield, A.E. (1200) 249

Tajima, S., see Shigematsu, T. (1200) 79
Takahashi, M., see Ikeda, Y. (1200) 277
Takasawa, T., see Urashima, T. (1200) 64
Takase, S., see Goda, T. (1200) 34
Taketani, S., see Okuda, M. (1200) 123
Taneda, Y., see Urashima, T. (1200) 64
Taniguchi, N., see Ikeda, Y. (1200) 277
Theakston, R.D.G., see Kamiguti, A.S. (1200) 307
Thompson, S.N. and Lee, R.W.-K.
Glucose metabolism in an insect *Manduca sexta* and effects of parasitism (1200) 322
Tobinaga, S., see Kobayashi, Y. (1200) 11
Tokunaga, R., see Okuda, M. (1200) 123
Töpfer-Petersen, E., see Dostàlovà, Z. (1200) 48
Tsai, I.-H., Wang, Y.-M. and Lee, Y.-H.
Characterization of a cDNA encoding the precursor of platelet aggregation inhibitor and metalloproteinase from *Trimeresurus mucrosquamatus* venom (1200) 337
Tsuchiya, J., see Iwatsuki, M. (1200) 19
Tsuchiya, J., see Yoshida, Y. (1200) 85
Tsujil, Y., see Urashima, T. (1200) 64

Ujita, M., see Aoki, N. (1200) 227
Undrill, V.J., see Hutchison, J.D. (1200) 129
Urabe, M., see Aoki, N. (1200) 227
Urashima, T., Saito, T., Tsujil, Y., Taneda, Y., Takasawa, T. and Messer, M.
Chemical characterization of sialyl oligosaccharides isolated from tammar wallaby (*Macropus eugenii*) milk (1200) 64

Vieira, W., see Palumbo, A. (1200) 271

Wagenaar, G.T.M., Geerts, W.J.C., Chamuleau, R.A.F.M., Deutz, N.E.P. and Lamers, W.H.
Lobular patterns of expression and enzyme activities of glutamine synthase, carbamoylphosphate synthase and glutamate dehydrogenase during postnatal development of the porcine liver (1200) 265
Wang, Y.-M., see Tsai, I.-H. (1200) 337
Watford, M.
Glutamine metabolism in rat small intestine: synthesis of three-carbon products in isolated enterocytes (1200) 73
Westerblad, H., see Bruton, J.D. (1200) 224
Weyhenmeyer, J.A., see Smirnov, A.I. (1200) 205
Wolf, C.R., see Henderson, C.J. (1200) 182
Worthington, C.R., see Elliott, G.F. (1200) 109

Yamamoto, Y., see Iwatsuki, M. (1200) 19
Yasutake, H., see Goda, T. (1200) 34
Yoshida, T., see Kobayashi, Y. (1200) 11
Yoshida, Y., Tsuchiya, J. and Niki, E.
Interaction of α-tocopherol with copper and its effect on lipid peroxidation (1200) 85

Zuzel, M., see Kamiguti, A.S. (1200) 307